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NOTICE OF ALLOWANCE AND FEE(S) DUE

26161

7590

10/01/2010

FISH & RICHARDSON PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022

EXAMINER				
PENG, BO				
ART UNIT	PAPER NUMBER			
1648				

DATE MAILED: 10/01/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728.195	12/03/2003	Shan Lu	07917-0269001/UMMC	7308

TITLE OF INVENTION: POLYVALENT, PRIMARY HIV-1 GLYCOPROTEIN DNA VACCINES AND VACCINATION METHODS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	01/03/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificate	correspondence includired below or directed other	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees v spondence address:	vill be and/or	mailed to the current r (b) indicating a sepa	correspondence address arate "FEE ADDRESS"	for
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	٦
10/728,195	12/03/2003	•	Shan Lu		0791	7-0269001/UMMC	7308	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	YES	\$755	\$300	\$0		\$1055	01/03/2011	_
EXAM	INER	ART UNIT	CLASS-SUBCLASS]				
PENG	G, BO	1648	424-188100	J				
☐ "Fee Address" indi	ondence address (or Cha 3/122) attached. ication (or "Fee Address)2 or more recent) attach	nge of Correspondence	(1) the names of up to or agents OR, alternation (2) the name of a sing registered attorney or	of a single firm (having as a member a rney or agent) and the names of up to atent attorneys or agents. If no name is			<u>-</u> -	
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	THE PATENT (print or ty data will appear on the pT a substitute for filing an (B) RESIDENCE: (CIT	aatent. If an assign assignment. Y and STATE OR C	COUNT	TRY)		
Please check the appropri	1ate assignee category or	categories (will not be pr	rinted on the patent):	Individual ☐ Co	orporati	ion or other private gro	oup entity 🖵 Governme	ent
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This collection of inform an application. Confident submitting the completed his form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 I application form to the ions for reducing this but Virginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is es depending upon the indi e Chief Information Offic COMPLETED FORMS T	retain a benefit by t timated to take 12 p vidual case. Any co er, U.S. Patent and O THIS ADDRESS	he pub minutes omment Traden S. SEN	lic which is to file (and s to complete, includir ts on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	I by the USPTO to proce ig gathering, preparing, a me you require to compl artment of Commerce, P for Patents, P.O. Box 14	ss) ind ete .O. 50,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/728,195 12/03/2003		Shan Lu	07917-0269001/UMMC 03-24	7308	
26161 75	90 10/01/2010		EXAM	INER	
FISH & RICHAI	RDSON PC		PENC	F, BO	
P.O. BOX 1022			ART UNIT	PAPER NUMBER	
MINNEAPOLIS, MN 55440-1022		1648			
			DATE MAILED: 10/01/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/729 105	LILETAL		
Notice of Allowability	10/728,195 Examiner	LU ET AL. Art Unit		
-				
	BO PENG	1648		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not including unication will be mailed in due	ded e course. THIS	
1. This communication is responsive to 7/23/10.				
2. \boxtimes The allowed claim(s) is/are $\underline{54,55,57-60,81-84,96,120-122}$	and 124-143.			
 3. ☐ Acknowledgment is made of a claim for foreign priority unalled all blooms. a) ☐ All blooms. b) ☐ Some* clother of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 	e been received. e been received in Application	on No		
3. Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage applic	ation from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the re	equirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Revie	w (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment o	r in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of	
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 🗖 Notice of Ir	nformal Patent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),		
	Paper No.	/Mail Date		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>3/4/10</u> 	7. ∐ Examiner's	Amendment/Comment		
4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☐ Examiner's Statement of Reasons for Allowance of Biological Material				
	9. ⊠ Other <u>the 0</u>	Office action.		
/BO PENG/				
Primary Examiner, Art Unit 1648				

Application/Control Number: 10/728,195 Page 2

Art Unit: 1648

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on July 23, 2010, has been entered.

2. Claims 1-53, 56, 61-80, 85-95, 97-119 and 123 have been cancelled. New Claims 124-143 have been added. Accordingly, Claims 54, 55, 57-60, 81-84, 96, 120-122 and 124-143 are pending, and are considered in this Office action.

Claim Rejections - 35 USC § 112, second paragraph

3. (**Prior rejection -moot**) The rejection of Claim 123 **is moot** under 35 U.S.C. 112, second paragraph, as being indefinite, is moot in view of the cancellation of the claim.

Claim Rejections - 35 USC § 112-WD

4. (**Prior rejection-moot**) The rejection of Claim 123 under 35 U.S.C. 112, first paragraph, for containing new matter, **is moot** in view of the cancellation of the claim.

Claim Rejections - 35 USC § 112-Scope of Enablement

5. (**Prior rejection-withdrawn**) The rejection of Claims 54, 55, 57-60 and 81-84, under 35 U.S.C. 112, first paragraph, for failing to comply with the scope of enablement, **is withdrawn** in view of the amendment to the claims. The rejection of Claims 85, 88, 94, 100, 107, 115-117, 119

and 123 is moot in view of the cancellation of the claims.

Claim Rejections - 35 USC § 103

6. (**Prior rejection-withdrawn**) The rejection of Claims 54, 55, 57-60, 81-84 and 120-122 under 35 U.S.C. 103(a), as being unpatentable over Barnett (Vaccine, Vol. 15 (1997), No. 8, pp 869-873), Nabel (WO 02/032943); Gao L (*J. Virology* Vol.70 (1996), No.3, pp 1651-1667); Gao F. *et al.* (Meeting Abstract; *AIDS Vaccine 2001*. 2001 Sep 5-8; abstract no. 201); Yoshida T. *et al.* (Clin Exp Immunol. 2001, 124(3):445-52); and Evans (Vaccine. 2001 Feb 28;19(15-16):2080-91), **is withdrawn** in view of the amendment to the claims and applicants' argument. The rejection of claims 85, 88, 94, 100, 107, 111-117 and 119 is moot in view of the cancellation of the claims.

Remarks

7. Claims 54, 55, 57-60, 81-84, 96, 120-122 and 124-143 are allowed.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bo Peng, Ph.D. whose telephone number is 571-272-5542. The examiner can normally be reached on Tu-F, 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Zachariah Lucas can be reached on 571-272-0905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

/BO PENG/ Primary Examiner, Art Unit 1648